Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A method ~~for providing a disk drive having a maximum current draw which is selectable by a user,~~ comprising:

providing a disk drive operable to be used with a first power supply and a second power supply, wherein the first power supply has a lower power capacity than the second power supply, and wherein the disk drive has a maximum current draw that is selectable by a user;

receiving a maximum current draw first selection, selected by said user, without ~~the need for~~ the user ~~to make~~ making a second selection in order to select said maximum current draw;

selecting between the first power supply and the second power supply based upon the maximum current draw first selection; and

limiting an actual current draw of said disk drive to said selected maximum current draw.

2. (Original) The method of Claim 1, wherein said selected maximum current draw is about equal to an amount of current drawn by said disk drive during seek operations.

3. (Previously presented) The method of Claim 1, wherein said selected maximum current draw is about equal to a steady-state spin current of a spindle motor of said disk drive plus a current drawn by an actuator of said disk drive when said actuator is in operation.

4. (Previously presented) The method of Claim 2, wherein said current drawn during seek operations is equal to a steady-state spin current of a spindle motor of said disk drive, plus a current drawn by an actuator when said actuator is in operation, plus an amount of current drawn by control electronics associated with said disk drive.

5. (Previously presented) The method of Claim 1, wherein said selected maximum current draw is equal to about four times an amount of current drawn by said disk drive during seek operations.

6. (Original) The method of Claim 1, wherein said selected maximum current draw is selected from a plurality of current amounts.

7. (Previously presented) The method of Claim 6, wherein said plurality of current amounts comprise a first amount equal to about a steady state spin current of said disk drive plus an amount of current drawn by an actuator of said disk drive during seek operations, and wherein a selection of said first amount results in a disk drive start-up time that is greater than a disk drive start-up time resulting from a selection of a second amount that is greater than said first amount.

8. (Currently amended) The method of Claim 7, wherein a selection of said first amount results in said first power supply being selected ~~allows a power supply having a first capacity~~, and wherein a selection of said second amount results in said second power supply being selected ~~requires a power supply having a second capacity, wherein said second capacity is greater than said first~~.

9. (Original) The method of Claim 1, wherein said step of receiving a maximum current draw selection comprises setting a hardware switch.

10. (Original) The method of Claim 9, wherein said hardware switch comprises at least one of a jumper and a mechanical switch.

11. (Original) The method of Claim 1, wherein said step of receiving a maximum current draw selection comprises specifying a maximum current draw selection through at least one of a software command, a firmware command, and a microcode command.

12-29. (Cancelled)

30. (Currently amended) A method for reducing the current supply requirements of a power supply interconnected to a disk drive, comprising:

providing a power supply;

providing a disk drive comprising:

at least a first storage disk;

a spindle motor;

an actuator; and

at least a first transducer head;

determining a maximum normal operating current draw of said disk drive, wherein said maximum normal operating current does not include an amount of current drawn by said disk drive during start-up;

selecting, by a user, a maximum disk drive supply current;

supplying from said power supply said maximum disk drive supply current to said disk drive during start-up of said disk drive;

loading said transducer head onto said storage disk,

wherein said power supply is sized to provide said maximum normal operating current draw of said disk drive, plus an amount of current required by at least a first power consumer in addition to said disk drive, and wherein said power supply is not sized to provide an amount of current equal to said maximum current draw of said disk drive multiplied by a value equal to or greater than two.

31. (Currently amended) The method of Claim 3023, wherein said step of loading said transducer head onto said storage disk is performed after said at least a first storage disk has achieved a predetermined rotational velocity.

32. (Currently amended) The method of Claim 3023, further comprising providing a first amount of current during start-up that is greater than a maximum normal operating current of said disk drive in response to a user selection, wherein said

maximum disk drive supply current is equal to said first amount, and wherein a start-up time of said disk drive is reduced as compared to a start-up time of said disk drive when said current is limited to said maximum normal operating current of said disk drive.

33. (Currently amended) The method of Claim 30~~23~~, wherein said step of selecting a maximum supply current comprises setting a switch.

34. (Original) The method of Claim 33, wherein said switch is at least one of a jumper and a mechanical switch.

35. (Original) The method of Claim 33, wherein said disk drive further comprises a controller, and wherein said switch comprises a software switch provided by at least one of software, firmware, or microcode running on said controller.

36. (new) A method for providing a disk drive having a maximum current draw which is selectable by a user, comprising:

receiving a maximum current draw first selection, selected by said user, without the user to make a second selection in order to select said maximum current draw; and

limiting an actual current draw of said disk drive to said selected maximum current draw, wherein said selected maximum current draw is selected from a plurality of current amounts, wherein said plurality of current amounts comprise a first amount equal to about a steady state spin current of said disk drive plus an amount of current drawn by an actuator of said disk drive during seek operations, and wherein a selection of said first

amount results in a disk drive start-up time that is greater than a disk drive start-up time resulting from a selection of a second amount that is greater than said first amount.

37. (New) The method of Claim 36, wherein a selection of said first amount allows a power supply having a first capacity, and wherein a selection of said second amount requires a power supply having a second capacity, wherein said second capacity is greater than said first.

38. (New) The method of Claim 30, wherein said power supply is sized to provide said maximum disk drive supply current to said disk drive plus an additional amount of current, wherein said additional amount of current is less than said maximum disk drive supply current.